

Network Monitoring Report: C-band N22C2

Source: J0654+4347, J0646+4451 and J0319+4130

Length: 180 min.

Observing mode: 4096-32-2, dual pol

Reference antenna: Effelsberg

Date of observations: 13/06/2022

Reference date: 13/06/2022; 49d 12h 00m

Experiment code: N22C2

Date of report: 28/07/2022

by: Suma Murthy

- ⊗ According to expectation, no special remarks

▣ Station did not observe (not scheduled)

■ Problem occured - see enclosed footnote(s)

○ Entry not applicable/investigated

	Jb	Wb	Ef	Mc	Nt	O8	T6	Ur	Tr	Ys	Hh	Ib	Km	Cm	Da	De	Kn	Pi
Station has observed	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	■	▣	⊗	⊗	⊗	⊗	⊗
Station produced fringes (ftp)	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	○	○	⊗	⊗	⊗	⊗	⊗
Station produced fringes (disk)	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	○	○	⊗	⊗	⊗	⊗	⊗
Logs are available (within 72 hours)	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	○	○	○	○	○	○	○
Antabs on vlbeer (within 7 days)	⊗	⊗	⊗	⊗	⊗	⊗	■	■	⊗	⊗	⊗	○	○	○	○	○	○	○
Feedback on www (within 7 days)	⊗	■	⊗	⊗	⊗	⊗	⊗	■	⊗	⊗	⊗	○	○	■	■	■	■	■
GPS clock estimate gives fringes	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	○	○	⊗	⊗	⊗	⊗	⊗
Clock rate in psec/sec	0.122	0.078	-0.145	0.065	0.078	-0.586	0.804	-0.96	0	1.6	0.0542	-0.175	-1.99	0.122	0.122	0.122	0.122	0.122
Recording okay	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	○	○	⊗	⊗	⊗	⊗	⊗
Polarization setup okay	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	○	○	⊗	⊗	⊗	⊗	⊗
Strong signal amplitude	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	○	○	⊗	⊗	⊗	⊗	⊗
Sampler statistics okay	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	○	○	⊗	⊗	⊗	⊗	⊗
Please check BBC number(s):																		
Previous reported problem(s) corrected																		
Problem(s) first reported																		
See enclosed footnote(s):					a	b	c	d	e			f	g	h	h	h	h	h

Enclosure: Footnotes C-band N22C2

Footnotes to the Network Monitoring Report: C-band N22C2

General: The NME consisted of long integrations on calibrators J0319+4130 and J0646+4451 for the ftp-fringe tests. J0654+4347 was used for phase referencing.

- a) **Nt, Noto:** There appears to have been problems with the receiver's local oscillator an Nt which remained unlocked from observation f22c1 to ec086a. The problem has been forwarded to the team that takes care of the receivers. We did find fringes to Nt in this NME however.
- b) **O8, Onsala:** No data for scan 13 due to the change of the schedule file.
- c) **T6, Tianma:** Data transfer seemed to have been interrupted. But all the data came through fine.
- d) **Ur, Urumqi:** No data for scan 01.
- e) **Tr, Torun:** Phase instabilities in certain time ranges. Under investigation.
- f) **Ib, Irbene:** Did not participate due to technical maintenance.
- g) **Km, Kunming:** Did not participate because the antenna could not work normally.
- h) **e-MERLIN outstations:** Some or all outstations were out in the first 3 grabs. But all came in for the remaining scans.

Questions? murthy@jive.eu

Report ends